

Text table 3–25.

**Recipients of 1992-93 doctorates with temporary visas at time of degree who were in the United States, 1994-97**

Field	Temporary resident doctorate recipients	1994	1995	1996	1997
Physical sciences and mathematics .....	4,821	55	59	60	61
Life sciences .....	3,765	48	51	53	54
Social sciences .....	2,278	29	31	32	32
Engineering .....	5,527	49	53	53	54
Total, S&E fields .....	16,391	48	51	52	53

SOURCE: Finn, 1999. *Stay Rates of Foreign Doctorate Recipients from U.S. Universities*. Oak Ridge, TN: Oak Ridge Institute for Science and Engineering

Science &amp; Engineering Indicators – 2000

**Selected Bibliography**

- American Chemical Society (ACS). 1999a. *Salaries 1998—Analysis of the American Chemical Society's 1998 Comprehensive Salary and Employment Status Survey*. Washington, DC: American Chemical Society.
- . 1999b. *Starting Salaries of Chemists and Chemical Engineers: Analysis of the American Chemical Society's Survey of Graduates in Chemistry and Chemical Engineering*. Washington, DC: American Chemical Society.
- American Electronics Association (AEA). 1999. *Cyber Education: U.S. Education and the High-Technology Workforce*. College Park, MD: American Electronics Association.
- American Institute of Physics (AIP). 1998. *1997 Initial Employment Report: Follow-Up of 1996 Physics Degree Recipients*. College Park, MD: American Institute of Physics.
- . 1999. *1997–98 Academic Workforce Report*. College Park, MD: American Institute of Physics.
- Commission on Professionals in Science and Technology. 1998. *Employment of Recent Doctoral Graduates: Results of Professional Society Surveys*. Washington, DC: Commission on Professionals in Science and Technology.
- Finn, M. 1999. *Stay Rates of Foreign Doctorate Recipients From U.S. Universities*. Oak Ridge, TN: Oak Ridge Institute for Science and Engineering.
- Fox, M.F. and P.E. Stephan. 1996. "Careers in Science: Preferences, Prospects, Realities." Paper presented at a conference, "Science Careers, Gender Equity, and the Changing Economy," cosponsored by the Commission on Professionals in Science and Technology and Radcliffe Public Policy Institute. October 1996.
- Freeman, P. and W. Aspray. 1997. *The Supply of Information Technology Workers*. Washington, DC: Computing Research Association. Available from <<[http://www.cra.org/reports/wits.it\\_worker\\_shortage\\_book.pdf](http://www.cra.org/reports/wits.it_worker_shortage_book.pdf)>>.
- Georges, A. 1999. "Keeping What We've Got." *NACME Research Letter* 9 (September): 1–19.
- Levin, S.G. and P.E. Stephan. 1999. "Are the Foreign Born a Source of Strength for U.S. Science?" *Science* 285 (August 20): 1213–1214.
- Malcom, S.M. 1999. "Fault Lines." *Science* 284 (May 21): 127.
- Maxfield, B., N. Ahearn, and A. Spisak. 1976. *Employment Status of Ph.D. Scientists and Engineers 1973 and 1975*. Washington, DC: Commission on Human Resources, National Academy of Sciences.
- National Science Foundation (NSF), Science Resources Studies Division. 1990. *Science and Engineering Personnel: A National Overview*. NSF 90-310. Washington, DC.
- . 1995a. *Nonacademic Scientists and Engineers: Trends From the 1980 and 1990 Censuses*. NSF 95-306. Arlington, VA.
- . 1995b. *Immigrant Scientists, Engineers, and Technicians: 1991–92*. Detailed Statistical Tables. NSF 95-310. Arlington, VA.
- . 1996. *Women, Minorities, and Persons with Disabilities in Science and Engineering: 1996*. NSF 96-311. Arlington, VA.
- . 1997a. *Who Is Unemployed? Factors Affecting Unemployment among Individuals with Doctoral Degrees in Science and Engineering*. NSF 97-336. Arlington, VA.
- . 1997b. "What's Happening in the Labor Market for Recent Science and Engineering Ph.D. Recipients." Issue Brief. NSF 97-321. Arlington, VA.
- . 1997c. *Characteristics of Doctoral Scientists and Engineers in the United States: 1995*. Detailed Statistical Tables. NSF 97-319. Arlington, VA.
- . 1999a. *SESTAT: A Tool for Studying Scientists and Engineers in the United States*. NSF 99-337. Arlington, VA.
- . 1999b. *Women, Minorities, and Persons with Disabilities in Science and Engineering: 1998*. NSF 99-338. Arlington, VA.
- . 1999c. *Characteristics of Scientists and Engineers in the United States: 1997*. Arlington, VA. Available from <<<http://srsstats.sbe.nsf.gov/DST1997.html>>>.
- . 1999d. "Counting the S&E Workforce—It's Not That Easy." Issue Brief. NSF 99-344. Arlington, VA.
- . 1999e. *SESTAT and NIOEM: Two Federal Databases Provide Complementary Information on the Science and*

- Technology Labor Force*. Topical Report. NSF 99-349. Arlington, VA.
- . 1999f. “SESTAT Surveys of Science and Engineering College Graduates.” Arlington, VA. Available from <<<http://sestat.nsf.gov/>>>.
- . In press (a). *Characteristics of Recent Science and Engineering Graduates: 1997*. Detailed Statistical Tables. Arlington, VA.
- . In press (b). *Characteristics of Doctoral Scientists and Engineers in the United States: 1997*. Detailed Statistical Tables. Arlington, VA.
- . In press (c). *Scientists, Engineers, and Technicians in Industry: 1997*. Detailed Statistical Tables. Arlington, VA.
- Nerad, M. and J. Cerny. 1999. “Postdoctoral Patterns, Career Advancement and Problems, from the PhDs—Ten Years Later Study.” *Science* (September 3).
- Posner, R.A. 1995. *Aging and Old Age*. Chicago: University of Chicago Press.
- Robbins-Roth, C. 1998. *Alternative Careers in Science: Leaving the Ivory Tower*. New York: Academic Press.
- Science*. 1999, “Postdocs: Working for Respect.” September 3.
- Stephan, P. and S. Levin. 1992. *Striking the Mother Lode in Science: The Importance of Age, Place, and Time*. New York: Oxford University Press.
- U.S. Bureau of Labor Statistics. 1999. “Unemployed Persons by Occupation and Sex.” Available from <<<http://www.bls.gov/pdf/cpsaat25.pdf>>>.
- U.S. Census Bureau. 1999. “Population Estimates for the U.S., by Sex, Race, and Hispanic Origin 1990–1999.” Available from <<<http://www.census.gov/population/www/estimates/nation3.html>>>.
- Young Kreeger, K. 1998. *Nontraditional Careers in Science*. London and New York: Taylor and Francis.